OIPE

RAW SEQUENCE LISTING DATE: 10/21/2002
PATENT APPLICATION: US/10/054,678 TIME: 17:05:10

Input Set : A:\2825.2012-004 Sequence Listing.txt
Output Set: N:\CRF4\10212002\J054678.raw

ENTERED

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 4 <110> APPLICANT: Sklar, Pamela
 5        Lander, Eric S.
 6        McInnis, Melvin G.
 7        DePaulo, Jr., J. Raymond
 8        Willour, Virginia
 9        Potash, James
11 <120> TITLE OF INVENTION: ASSOCIATION OF DOPAMINE BETA-HYDROXYLASE
12        POLYMORPHISMS WITH BIPOLAR DISORDER
15 <130> FILE REFERENCE: 2825.2012-004
17 <140> CURRENT APPLICATION NUMBER: US 10/054,678
18 <141> CURRENT FILING DATE: 2002-01-22
20 <150> PRIOR APPLICATION NUMBER: US 09/852,967
21 <151> PRIOR FILING DATE: 2001-05-10
23 <150> PRIOR APPLICATION NUMBER: US 60/202,910
24 <151> PRIOR FILING DATE: 2000-05-10
26 <160> NUMBER OF SEQ ID NOS: 2
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 2725
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapiens
35 <400> SEQUENCE: 1
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37 cagcagtggc catcttcctg gtcatcctgg tggccgcact gcagggctcg gctccccgtg 120
38 agagcccccct cccctatcac atcccctgg acccggaggg gtccctggag ctctcatgga 180
39 atgtcagcta cacccaggag gccatccatt tccagctcct ggtgcggagg ctcaaggctg 240
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42 acctggatcc ccagcaggac taccagctgc tgcaggtgca gaggacccca gaaggcctga 420
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44 gcactgtcca cttggtctac gggatcctgg aggagccgtt ccggtcactg gaggccatca 540
45 acggctcggg cctgcagatg gggctgcaga gggtgcagct cctgaagccc aatatccccg 600
46 aaccggagtt gccctcagac gcgtgcacca tggaggtcca agctcccaat atccagatcc 660
47 ccagccagga gaccacgtac tggtgctaca ttaaggagct tccaaagggc ttctctcggc 720
48 accacattat caagtacgag cccatcgtca ccaagggcaa tgaggccctt gtccaccaca 780
49 tggaagtctt ccagtgcgcc cccgagatgg acagcgtccc ccacttcagc gggccctgcg 840
50 actccaagat gaaacccgac cgcctcaact actgccgcca cgtgctggcc gcctgggccc 900
51 tgggtgccaa ggcatttttac tacccagagg aagccggcct tgccttcggg ggtccagggt 960
52 cctccagata tctccgcctg gaagttcact accacaaccc actggtgata gaaggacgaa 1020
53 acgactcctc aggcatccgc ttgtactaca gccaagct gcggcgcttc aacgcgggga 1080
54 tcatggagct gggactggtg tacacgccag tgatggccat tccaccacgg gagaccgcct 1140
55 tcatcctcac tggctactgc acggacaagt gcacccagct ggcactgcct ccctccggga 1200
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59 cctcctgcac gtacaacacg gaagaccggg agctggccac agtggggggc ttcgggatcc 1440
60 tggaggagat gtgtgtcaac tacgtgcact actaccccca gacgcagctg gagctctgca 1500
61 agacggctgt ggacgccggc ttcctgcaga agtacttcca cctcatcaac aggttcaaca 1560
62 acgaggatgt ctgcacctgc cctcaggcgt ccgtgtctca gcagttcacc tctgttccct 1620
63 ggaactcctt caaccgcgac gtactgaagg ccctgtacag cttcgcgccc atctccatgc 1680
64 actgcaacaa gtcctcagcc gtccgcttcc agggtgaatg gaacctgcag cccctgccca 1740
65 aggtcatctc cacactggaa gagcccaccc cacagtgccc caccagccag ggccgaagcc 1800
66 ctgctggccc caccgttgtc agcattggtg ggggcaaagg ctgaggggg acctactcct 1860
67 ccccctcctc catgctgtcc ctgtgggctc acaccggcac tgtgcactct actctgcgac 1920
68 gatccccatg gaacagccct gcacgcccag gatgaagggg ccagaccacg cccctgcctg 1980
69 agaccacggt ccaatccagc cttcttcccc cagggtcccc tgcatggctg agagggtgtg 2040
70 ggtgccctgt tgacctaccc tggaccgagt ggaccacgac ctcgtccatt taaacccggc 2100
71 tgactcagtg cagggacagc ccgcacagtg gtccagggtc cagccctccg ccagccctgt 2160
72 tccgcctcac tgggtgtggc ctggcttctg ggacaggcac catgctgggc cggggtgtgg 2220
73 aatcaccggg aacgcccccg ccccgcccc gctgctcccg gtgtgcagcg ggtgcgggtg 2280
74 ccgcttaaac atttccctgc tgagtggctc gtgtttcaca gtgggcggct tccctgcgac 2340
75 ggaggcagga ccaggcattt agctagttag agactcgcct gggaaattgc tccattcctg 2400
76 agtaaacaga tattttcgcc cacctaaagg gaagccctga caacaactat caccaaaaga 2460
77 cgaggcggca agatccagc ggggcttctg ggcgccggtt ccacgtgggg tggaattatt 2520
78 agcaccagct tgcttctctg ccggtggggc cagcgctgaa cagaccgggg tggagtcagg 2580
79 gctgtgcttt ccgcgtggtt ctgccactta gggagtgtgc cttgggcggg ccatttcaca 2640
80 ttcctgaccc tcacttttct catctgtaaa accaggctga tgccgtgcgg gctaatgagc 2700
81 caataaagct cacacttggg ctggc                                       2725
83 <210> SEQ ID NO: 2
84 <211> LENGTH: 603
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 2
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91 Val Ile Leu Val Ala Ala Leu Gln Gly Ser Ala Pro Arg Glu Ser Pro
92             20                  25                  30
93 Leu Pro Tyr His Ile Pro Leu Asp Pro Glu Gly Ser Leu Glu Leu Ser
94         35                  40                  45
95 Trp Asn Val Ser Tyr Thr Gln Glu Ala Ile His Phe Gln Leu Leu Val
96     50                  55                  60
97 Arg Arg Leu Lys Ala Gly Val Leu Phe Gly Met Ser Asp Arg Gly Glu
98 65                  70                  75                  80
99 Leu Glu Asn Ala Asp Leu Val Val Leu Trp Thr Asp Gly Asp Thr Ala
100                 85                  90                  95
101 Tyr Phe Ala Asp Ala Trp Ser Asp Gln Lys Gly Gln Ile His Leu Asp
102                 100                 105                 110
103 Pro Gln Gln Asp Tyr Gln Leu Leu Gln Val Gln Arg Thr Pro Glu Gly
104         115                 120                 125
105 Leu Thr Leu Leu Phe Lys Arg Pro Phe Gly Thr Cys Asp Pro Lys Asp
106     130                 135                 140
107 Tyr Leu Ile Glu Asp Gly Thr Val His Leu Val Tyr Gly Ile Leu Glu
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108 145                    150                    155                    160
109 Glu Pro Phe Arg Ser Leu Glu Ala Ile Asn Gly Ser Gly Leu Gln Met
110              165                    170                    175
111 Gly Leu Gln Arg Val Gln Leu Leu Lys Pro Asn Ile Pro Glu Pro Glu
112              180                    185                    190
113 Leu Pro Ser Asp Ala Cys Thr Met Glu Val Gln Ala Pro Asn Ile Gln
114          195                    200                    205
115 Ile Pro Ser Gln Glu Thr Thr Tyr Trp Cys Tyr Ile Lys Glu Leu Pro
116      210                    215                    220
117 Lys Gly Phe Ser Arg His His Ile Ile Lys Tyr Glu Pro Ile Val Thr
118 225                    230                    235                    240
119 Lys Gly Asn Glu Ala Leu Val His His Met Glu Val Phe Gln Cys Ala
120              245                    250                    255
121 Pro Glu Met Asp Ser Val Pro His Phe Ser Gly Pro Cys Asp Ser Lys
122              260                    265                    270
123 Met Lys Pro Asp Arg Leu Asn Tyr Cys Arg His Val Leu Ala Ala Trp
124          275                    280                    285
125 Ala Leu Gly Ala Lys Ala Phe Tyr Tyr Pro Glu Glu Ala Gly Leu Ala
126      290                    295                    300
127 Phe Gly Gly Pro Gly Ser Ser Arg Tyr Leu Arg Leu Glu Val His Tyr
128 305                    310                    315                    320
129 His Asn Pro Leu Val Ile Glu Gly Arg Asn Asp Ser Ser Gly Ile Arg
130              325                    330                    335
131 Leu Tyr Tyr Thr Ala Lys Leu Arg Arg Phe Asn Ala Gly Ile Met Glu
132              340                    345                    350
133 Leu Gly Leu Val Tyr Thr Pro Val Met Ala Ile Pro Pro Arg Glu Thr
134          355                    360                    365
135 Ala Phe Ile Leu Thr Gly Tyr Cys Thr Asp Lys Cys Thr Gln Leu Ala
136      370                    375                    380
137 Leu Pro Pro Ser Gly Ile His Ile Phe Ala Ser Gln Leu His Thr His
138 385                    390                    395                    400
139 Leu Thr Gly Arg Lys Val Val Thr Val Leu Val Arg Asp Gly Arg Glu
140              405                    410                    415
141 Trp Glu Ile Val Asn Gln Asp Asn His Tyr Ser Pro His Phe Gln Glu
142          420                    425                    430
143 Ile Arg Met Leu Lys Lys Val Val Ser Val His Pro Gly Asp Val Leu
144          435                    440                    445
145 Ile Thr Ser Cys Thr Tyr Asn Thr Glu Asp Arg Glu Leu Ala Thr Val
146      450                    455                    460
147 Gly Gly Phe Gly Ile Leu Glu Glu Met Cys Val Asn Tyr Val His Tyr
148 465                    470                    475                    480
149 Tyr Pro Gln Thr Gln Leu Glu Leu Cys Lys Thr Ala Val Asp Ala Gly
150              485                    490                    495
151 Phe Leu Gln Lys Tyr Phe His Leu Ile Asn Arg Phe Asn Asn Glu Asp
152          500                    505                    510
153 Val Cys Thr Cys Pro Gln Ala Ser Val Ser Gln Gln Phe Thr Ser Val
154      515                    520                    525
155 Pro Trp Asn Ser Phe Asn Arg Asp Val Leu Lys Ala Leu Tyr Ser Phe
156      530                    535                    540
```

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PATENT APPLICATION: US/10/054,678   TIME: 17:05:10

Input Set : **A:\2825.2012-004 Sequence Listing.txt**
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157 Ala Pro Ile Ser Met His Cys Asn Lys Ser Ser Ala Val Arg Phe Gln
158 545             550             555                 560
159 Gly Glu Trp Asn Leu Gln Pro Leu Pro Lys Val Ile Ser Thr Leu Glu
160             565             570                 575
161 Glu Pro Thr Pro Gln Cys Pro Thr Ser Gln Gly Arg Ser Pro Ala Gly
162             580             585                 590
163 Pro Thr Val Val Ser Ile Gly Gly Gly Lys Gly
164         595             600
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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/054,678

DATE: 10/21/2002
TIME: 17:05:11

Input Set : **A:\2825.2012-004 Sequence Listing.txt**
Output Set: **N:\CRF4\10212002\J054678.raw**